

For Division Use: \_\_\_\_\_  
File No.: \_\_\_\_\_  
Date Received: \_\_\_\_\_  
DOGM Lead: \_\_\_\_\_

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING  
355 West North Temple  
3 Traid Center, Suite 350  
Salt Lake City, Utah 84180-1203  
(801) 538-5340

NOTICE OF INTENTION TO COMMENCE SMALL MINING OPERATIONS

Based on Provisions of the Mined Land Reclamation Act, Title 40-8, Utah Code Annotated 1953, General Rules and Regulations and Rules of Practice and Procedures, By Order of the Board of Oil, Gas and Mining.

"Small mining operations" means mining operations which disturb or will disturb five or less surface acres at any given time.

\* \* \* \* \*

I. GENERAL INFORMATION (Rule R613-003-104)

1. Name of Claim/Mine : AROC #1
2. Name of Company/Operator: Asphalt Ridge Operating Company
3. Address  
Street: 1680 West Highway 40, Suite 1245  
City: Vernal  
State: UT  
Zip Code: 84078  
Telephone Number: (801) 781-2762
4. Project Location  

|        |          |       |         |                  |
|--------|----------|-------|---------|------------------|
| Uintah | T4S      | R21E  | 31      | NE/4 NE/4        |
| County | Township | Range | Section | 1/4, 1/4 Section |
5. Ownership of Land Surface:  
Private (fee) ☒ Public Domain (BLM) ☐ National Forest (USFS) ☐  
State of Utah ☐ Other: ☐
6. Mineral(s) to be Mined : Tar Sand (Asphalt)
7. Ownership of Minerals:  
Private (fee) ☒ Public Domain (BLM) ☐ National Forest (USFS) ☐  
State of Utah ☐ Other: ☐

8. Have the above owners been notified in writing? ☒ Yes \_\_\_ No
9. Does the operator have legal right to enter and conduct mining operations on the land covered by this notice? ☒ Yes \_\_\_ No

II. Map(s) (Rule R613-003-105)

Base Map - A true and correct topographic base map showing the location of the proposed operation must be submitted with this notice. The scale should be approximately 1 inch = 2,000 feet (preferable a USGS 7.5 minute series or equivalent topographic map (where available)).

III. OPERATION PLAN (Rule R613-003-106)

1. Type of mining: Surface ☒ Underground \_\_\_
2. Provide a brief description of the proposed mining operation and on-site processing facilities.

MINING SEQUENCE

- Removal and temporary storage of topsoil (if present).
- Ripping and removal of overburden and barren material (including weathered tar sand).
- Ripping and removal of fresh tar sand into piles prior to crushing, mixing (with aggregate - if necessary), or loading.
- Crushing of the mined tar sand using either the mining equipment available or a portable, stationary, system including a grizzly, screens and crusher.
- Temporary storage of the crushed (or crushed and mixed) tar sand in piles prior to loading and removal from the mining site.
- Loading of the raw or mixed tar sand into highway trucks using a wheel loader.
- Hauling of crushed raw or mixed tar sand from the mining site using existing county and state roads.

CLEARING OF THE MINING SITE

Prior to topsoil removal, an occasional tree or large shrub will be removed by the tract-type tractors. Sparse or low growing vegetation will be removed with the topsoil.

TOPSOIL REMOVAL, STORAGE, AND REPLACEMENT

Topsoil (if present) will be windrowed with either tract-type tractors or the motor grader for loading and hauling by the wheel loader (or possible hauling by trucks) into designated, temporary storage piles. These piles will be located away from the immediate

plant site area. In addition, the piles will be revegetated, as necessary, to prevent needless wind and rainwater erosion and will further be protected from spring snow melt and flash flood runoff by diversion ditches and berms, if required.

As mining progresses, the topsoil recovered from the active pit area and the storage piles and will be spread over the graded overburden storage areas.

#### OVERBURDEN REMOVAL AND STORAGE

Overburden, barren material, and weathered tar sand will be ripped by tract-type tractors and then either pushed out of the pit area by the tractors or loaded into trucks by the wheel loader and hauled to an overburden storage area.

Initially the overburden will be placed out of the active pit area. However, as mining progresses and the pit is developed, the overburden will be replaced in the existing, mined out pit.

The overburden storage areas will be compacted (to prevent erosion) and graded to approximate original surface contours. After the topsoil (if any) is replaced the entire area will be revegetated.

#### MINING EQUIPMENT UTILIZED

Mining will be conducted with either tract-type tractors (300 to 500 HP) equipped with rippers to rip the overburden and ore prior to removal or hydraulic shovels.

Recovering the tar sand from piles and feeding the crusher (if necessary) and/or loading the highway trucks will be accomplished by wheel loaders (200 to 400 HP)

On-site roads, berms, silt basins, and etc. will be maintained with the aforementioned mining equipment along with a motor grader (125 to 200 HP).

On site hauling (if utilized) would be accomplished with off-highway trucks (400 to 700 HP).

Off site hauling will be contracted to independent haulers and will consist of 25 to 40 ton (as permits dictate) highway hauling units.

All of the equipment utilized will either be gasoline or diesel powered with the possible exception of the screens & crusher, which may have electric motors (or a combination of electric motors and a diesel generator).

#### IV. OPERATION AND RECLAMATION PRACTICES (Rule R613-003-107 & -109)

The reclamation and operation obligation is to keep the area cleaned up and in a workmanlike condition, minimize hazards to public safety, return the

land to a useful condition, and reestablish at least 70 percent of the premining vegetative ground cover (as compared to adjacent areas). To accomplish this, the operator will need to do the following work concurrently, or at completion (within one (1) year) of mining:

1. Keep mining operation in a safe, clean, and environmentally stable condition.
2. Permanently seal all shafts and tunnels to prevent unauthorized or accidental entry.
3. Plug or cap all drill holes.
4. Construct berms, fences, or barriers, when needed, above highwalls and excavations.
5. Remove, isolate, or neutralize all toxic materials in a manner compatible with federal and state regulations.
6. Keep natural stream channels unobstructed and clear of waste and debris.
7. Clean up the area by disposing of trash, scrap metal, wood, machinery, and buildings.
8. Conduct mining activities so as to minimize erosion and control sediment.
9. Reclaim all roads that are not part of a permanent transportation system.
10. Stockpile topsoil and suitable overburden prior to mining.
11. Stabilize highwalls by backfilling or rounding to 45 degrees or less, where feasible; reshape the land to near its original contour, and redistribute the topsoil and suitable overburden.
12. Properly prepare seedbed to a depth of six inches by ripping, discing, or harrowing.
13. Reseed disturbed areas with adaptable species. (The Division recommends seeding 20 lbs./acre of native and introduced species of grass, forb, and browse seed, and will provide a specific species list if requested.)
14. Plant the seed with a rangeland or farm drill, or if broadcast seeded, harrow, or rake the seed 1/4-1/2 inch into the soil - fall is the preferred time to seed. (The division also recommends broadcast fertilization at the time of seeding of 200 lbs./acre of diammonium phosphate 18-46-0.)

V. VARIANCE REQUEST (Rule R613-003-110)

Yes XX No

Any planned deviations from Rules R613-003-107, Operation Practices, or R613-003-109, Reclamation Practices, as summarized above, should be identified below and justification given for the variance request(s).

| <u>Item</u>                            | <u>Number</u> | <u>Variance Request Justification</u>  |
|--|---------------|--|
| Topsoil                                | 10            | Over most of this permit area the original mining was conducted by Uintah County without any attempt to preserve or segregate any topsoil present. As a result, the topsoil in this area has been lost. In the future, in any virgin areas mined by AROC, we will segregate and stockpile any topsoil present. |
| Rounding<br>Highwalls<br>to 45 degrees | 11            | The westernmost highwall will be located against the face of Asphalt Ridge. Since this ridge is at least 500 feet higher than the final highwall, it will be impossible to reduce it. However, we will build terraces and backfill as much as possible to protect the area.                                    |

VI. SIGNATURE REQUIREMENT

I hereby commit to the reclamation of the aforementioned small mining operation as required by the Utah Mined Land Reclamation Act (40-8) and rules specified by the Board of Oil, Gas and Mining.

Name of Company/Operator: Asphalt Ridge Operating Company

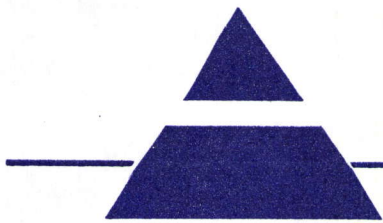
Signature:

Jon E. Kelly  
Jon E. Kelly, P.E.

Date: October 15, 1987

Title:

President



# AROC

Asphalt Ridge Operating Company

October 16, 1987

Mr. Frank R. Jensen  
Reclamation Soils Specialist  
State of Utah  
3 Triad Center  
Suite 350  
Salt Lake City, UT 84180-1203

Dear Frank,

Paul and I would like to thank you for the time you spent with us last Tuesday to bring us up to speed on the state's permitting process. That was very helpful to us.

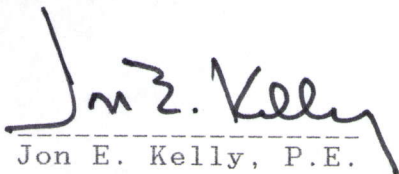
I think the proposed Small Mine Permit is very fair to and supportive of the small operator. In addition, it protects the citizens of the State of Utah from reclamation liabilities.

If you will keep us informed on the public meeting schedule, we will try to attend as many meetings as possible to support your position.

If you have any questions concerning our permit application, please feel free to call me at the number listed below.

Again, thank you, and we look forward to working with our in the future.

Sincerely,

  
Jon E. Kelly, P.E.  
President

JK/mtf

Encl.

c: Mr. Paul F. Hutter  
File

RECEIVED  
OCT 19 1987

DIVISION OF  
OIL, GAS & MINING